Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1 Claims 1-3 (Canceled).

Claim 4. (Currently Amended) An edge correction apparatus for a 1 2 digital video camera, comprising: 3 a horizontal edge signal generator and a vertical edge signal generator for respectively generating horizontal and vertical edge 4 correction signals in horizontal and vertical directions of a sensed image 5 6 obtained via an image sensing element of a digital video camera; 7 a horizontal edge signal gain controller and a vertical edge signal 8 gain controller for controlling gains of the horizontal and vertical edge 9 correction signals respectively from said horizontal edge signal generator 10 and said vertical edge signal generator; 11 an adder for adding the horizontal and vertical edge correction 12 signals whose gains are controlled by said horizontal edge signal gain 13 controller and said vertical edge signal gain controller; 14 a slice processor for adding, to an image processing signal of the 15 digital video camera, an edge correction signal obtained by performing slice processing for and edge signal output from said adder; and 16 17 a vertical edge component suppression position detector for causing said vertical edge signal gain controller to execute gain control of the 18 19 vertical edge correction signal in accordance with a horizontal difference signal output from said horizontal edge signal generator, 20 wherein the horizontal difference signal is a signal corresponding 21 to a pixel value less a weighted sum of a luminance difference between 22 horizontally adjacent pixels on opposite horizontal sides of said pixel that 23 24 is output from said horizontal edge signal generator and a difference 25 between digital video camera CCD output signals vertically adjacent on opposite vertical sides of said pixel, and 26

27 wherein gain control of the vertical edge correction signal by said 28 vertical edge signal gain controller is executed when the luminance difference between horizontally adjacent pixels is not less than a set 29 30 threshold, and outputs of vertically adjacent digital video camera CCD 31 output signals are not more than a set threshold. 1 Claim 5. (Currently Amended) An edge correction apparatus for a 2 digital video camera, comprising: 3 a horizontal edge signal generator and a vertical edge signal 4 generator for respectively generating horizontal and vertical edge 5 correction signals in horizontal and vertical directions of a sensed image 6 obtained via an image sensing element of a digital video camera; 7 a horizontal edge signal gain controller and a vertical edge signal 8 gain controller for controlling gains of the horizontal and vertical edge 9 correction signals respectively from said horizontal edge signal generator 10 and said vertical edge signal generator; 11 an adder for adding the horizontal and vertical edge correction 12 signals whose gains are controlled by said horizontal edge signal gain 13 controller and said vertical edge signal gain controller; 14 a slice processor for adding, to an image processing signal of the 15 digital video camera, an edge correction signal obtained by performing 16 slice processing for and edge signal output from said adder; and 17 a vertical edge component suppression position detector for causing 18 said vertical edge signal gain controller to execute gain control of the 19 vertical edge correction signal in accordance with a horizontal difference 20 signal output from said horizontal edge signal generator, 21 wherein the horizontal difference signal is a signal corresponding 22 to a pixel value less a weighted sum of an output difference between horizontally adjacent pixels on opposite horizontal sides of said pixel that 23 24 is output from said horizontal edge signal generator and a difference 25 between digital video camera CCD output signals vertically adjacent on 26 opposite vertical sides of said pixel, and

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27	wherein gain control of the vertical edge correction signal by said
28	vertical edge signal gain controller is executed when the output difference
29	in green signal between horizontally adjacent pixels is not less than a set
30	threshold, and the difference between the vertically adjacent digital video
31	camera CCD output signals is not more than the set threshold.
1	Claim 6. (Previously Presented) An edge correction apparatus for a
2	digital video camera, comprising:
3	a horizontal edge signal generator and a vertical edge signal
4	generator for respectively generating horizontal and vertical edge
5	correction signals in horizontal and vertical directions of a sensed image
6	obtained via an image sensing element of a digital video camera;
7	a horizontal edge signal gain controller and a vertical edge signal
8	gain controller for controlling gains of the horizontal and vertical edge
9	correction signals respectively from said horizontal edge signal generator
10	and said vertical edge signal generator;
11	an adder for adding the horizontal and vertical edge correction
12	signals whose gains are controlled by said horizontal edge signal gain
13	controller and said vertical edge signal gain controller;
14	a slice processor for adding, to an image processing signal of the
15	digital video camera, an edge correction signal obtained by performing
16	slice processing for and edge signal output from said adder; and
17	a vertical edge component suppression position detector for causing
18	said vertical edge signal gain controller to execute gain control of the
19	vertical edge correction signal in accordance with a horizontal difference
20	signal output from said horizontal edge signal generator,
21	wherein gain control of the vertical edge correction signal by said
22	vertical edge signal gain controller is executed when an amplitude of the
23	horizontal difference signal exceeds a set threshold_which is greater than
24	zero.

2	digital video camera, comprising:
3	a horizontal edge signal generator and a vertical edge signal
4	generator for respectively generating horizontal and vertical edge
5	correction signals in horizontal and vertical directions of a sensed image
6	obtained via an image sensing element of a digital video camera;
7	a horizontal edge signal gain controller and a vertical edge signal
8	gain controller for controlling gains of the horizontal and vertical edge
9	correction signals respectively from said horizontal edge signal generator
10	and said vertical edge signal generator;
11	an adder for adding the horizontal and vertical edge correction
12	signals whose gains are controlled by said horizontal edge signal gain
13	controller and said vertical edge signal gain controller;
14	a slice processor for adding, to an image processing signal of the
15	digital video camera, an edge correction signal obtained by performing
16	slice processing for and edge signal output from said adder; and
17	a vertical edge component suppression position detector for causing
18	said vertical edge signal gain controller to execute gain control of the
19	vertical edge correction signal in accordance with a horizontal difference
20	signal output from said horizontal edge signal generator, wherein the
21	horizontal difference signal is a signal corresponding to a luminance
22	difference between horizontally adjacent pixels that is output from said
23	horizontal edge signal generator and,
24	wherein gain control of the vertical edge correction signal by said
25	vertical edge signal gain controller is executed when the luminance
26	difference between horizontally adjacent pixels is not less than a set
27	threshold which is greater than zero.
1	Claim 8. (Previously Presented) An edge correction apparatus for a
2	digital video camera, comprising:
3	a horizontal edge signal generator and a vertical edge signal
4	generator for respectively generating horizontal and vertical edge
5	correction signals in horizontal and vertical directions of a sensed image

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6	obtained via an image sensing element of a digital video camera;
7	a horizontal edge signal gain controller and a vertical edge signal
8	gain controller for controlling gains of the horizontal and vertical edge
9	correction signals respectively from said horizontal edge signal generator
10	and said vertical edge signal generator;
11	an adder for adding the horizontal and vertical edge correction
12	signals whose gains are controlled by said horizontal edge signal gain
13	controller and said vertical edge signal gain controller;
14	a slice processor for adding, to an image processing signal of the
15	digital video camera, an edge correction signal obtained by performing
16	slice processing for and edge signal output from said adder; and
17	a vertical edge component suppression position detector for causing
18	said vertical edge signal gain controller to execute gain control of the
19	vertical edge correction signal in accordance with a horizontal difference
20	signal output from said horizontal edge signal generator, wherein the
21	horizontal difference signal is a signal corresponding to an output
22	difference in green signal between horizontally adjacent pixels that is
23	output from said horizontal edge signal generator and,
24	wherein gain control of the vertical edge correction signal by said
25	vertical edge signal gain controller is executed when the output difference
26	in green signal between horizontally adjacent pixels is not less than a set
27	threshold which is greater than zero.

Claims 9-10. Canceled